

Serial No. 09/677,060
Response Dated June 16, 2004
Reply To Office Action Of April 13, 2004

Amendments to the Claims

1. **(Currently Amended)** A method of transporting bifurcated voice and signaling data over a network, comprising the steps of:
- Identifying, for each communication link to be established, respective signaling data and voice data; and
- transmitting said signaling data via a first network and said voice data via a second network, wherein the first network is different from the second network.
2. **(Previously Presented)** The method of claim 1, wherein said first network is a wireless network.
3. **(Previously Presented)** The method of claim 1, wherein said second network is a data packet network.
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4. **(Original)** The method of claim 1, further comprising the steps of: communicating said signaling data to a switch.
5. **(Original)** The method of claim 1, further comprising: communicating said voice data to a switch.
6. **(Original)** The method of claim 3, wherein said voice data is subject to compression processing compatible with a wireless network.
7. **(Currently Amended)** The method of claim 5 4, wherein said step of communicating is made via a base station system.
8. **(Currently Amended)** The method of claim 5, wherein said step of communicating is made via a ~~packet/circuit~~ switch adapted to perform packet to circuit switched conversion and vice versa.

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9. **(Original)** The method of claim 1, wherein said steps of identifying and transmitting are performed via a Media Terminal Adapter-Cellular Transceiver (MTA-CT) having integrated MTA and CT portions.
10. **(Original)** The method of claim 1, wherein said steps of identifying and transmitting are performed via a Media Terminal Adapter-Cellular Transceiver (MTA-CT) having non-integrated MTA and CT portions.
11. **(Previously Presented)** In a communication system for transporting bifurcated voice and signaling traffic over a network, a method comprising the steps of:
segregating signaling traffic and related voice traffic including information useful in establishing a communications link for transporting said voice traffic between a calling party and a called party; and
transmitting said voice traffic via said communications link established by a controller, said voice traffic and said signaling traffic being carried via different communication networks.
12. **(Previously Presented)** The method of claim 11, wherein one of said communication networks is a data packet network.
13. **(Original)** The method of claim 12, wherein said voice traffic is carried by said data packet network.
14. **(Original)** The method of claim 13, wherein said voice traffic is subject to compression processing compatible with a wireless network.
15. **(Previously Presented)** The method of claim 11, wherein one of said communication networks is a wireless network

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16. **(Original)** The method of claim 15 wherein said signaling traffic is carried by said wireless network.

17. **(Original)** The method of claim 11, wherein said controller is a switch.

18. **(Original)** The method of claim 11, wherein said signaling traffic is transmitted to said controller via a base station system.

19. **(Currently Amended)** The method of claim 11, wherein said voice traffic is communicated to said controller via a packet/circuit switch adapted to perform packet to circuit switched conversion and vice versa.

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20. **(Original)** The method of claim 11, wherein said steps of segregating and transmitting are performed via a Media Terminal Adapter-Cellular Transceiver (MTA-CT) having integrated MTA and CT portions.

21. **(Original)** The method of claim 11, wherein said steps of segregating and transmitting are performed via a Media Terminal Adapter-Cellular Transceiver (MTA-CT) having non-integrated MTA and CT portions.

22. **(Previously Presented)** The method of claim 11 further comprising the step of: switching the voice traffic to the same communication network as the signaling traffic when loss of local power is detected.

23. **(Previously Presented)** In a communication system for transporting bifurcated voice and signaling traffic between a calling party and called party, a method comprising the steps of:

identifying a call request;

establishing a signaling link to a switch via a first transport network and

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establishing a voice path to said switch via a second transport network responsive to a determination that said called party answers, said first transport network being different from said second transport network.

24. **(Previously Presented)** The method of claim 23, wherein said first network is a wireless network.

25. **(Previously Presented)** the method of claim 24, wherein signaling traffic is transmitted over said wireless network.

26. **(Previously Presented)** he method of claim 23, wherein said second network is a data packet network.

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27. **(Previously Presented)** The method of claim 26, wherein voice traffic is communicated over said data packet network.

28. **(Previously Presented)** The method of claim 27, wherein said voice traffic is subject to compression processing compatible with a wireless network.

29. **(Previously Presented)** The method of claim 23 further comprising the step of: switching the voice traffic to the same network as the signaling traffic when loss of local power is detected.

30. **(Original)** The method of claim 23, wherein said steps of identifying and said first and second steps of establishing are performed via a Media Terminal Adapter-Cellular Transceiver (MTA-CT) having integrated MTA and CT portions.

31. **(Original)** The method of claim 23, wherein said steps of identifying and said first and second steps of establishing are performed via a Media Terminal Adapter-Cellular Transceiver (MTA-CT) having non-integrated MTA and CT portions.

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32. **(Currently Amended)** A communications system comprising:
a device for providing bifurcated voice and signaling traffic over a network; and
a ~~packet/circuit~~ switch for converting data packets to circuit switched traffic and
vice versa.
33. **(Original)** The communications system of claim 32, wherein said device is a
Media Terminal Adapter-Cellular Transceiver (MTA-CT) having non-integrated MTA and
CT portions.
34. **(Original)** The communications system of claim 32, wherein said device is a
Media Terminal Adapter-Cellular Transceiver (MTA-CT) having integrated MTA and CT
portions.
35. **(Previously Presented)** A computer readable medium storing a software
program, that when executed by a computer, causes the computer to perform a method
comprising:
segregating signaling traffic and related voice traffic including information useful
in establishing a communications link for transporting said voice traffic between a calling
party and called party; and
transmitting said voice traffic via said communications link established by a
controller, said voice traffic and said signaling traffic being carried via different
communication networks.
36. **(Original)** The computer readable medium of claim 35, wherein said controller is
a switch.
37. **(Original)** The computer readable medium of claim 35, wherein said
signaling traffic is communicated via a wireless network.

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38. (Original) The computer readable medium of claim 35, wherein said voice traffic is communicated via a data packet network.

39. (Original) The computer readable medium of claim 38, wherein said voice traffic is subject to compression processing compatible with a wireless network.
